

ATTY. DOCKET NO. 1488.1310002/EKS/EJH	APPLICATION NO. 09/042,583
FIRST NAMED INVENTOR Ni et al.	
FILING DATE March 17, 1998	ART UNIT 1646

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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Chu	AD1	2002/0098550	07/25/2002	Ni et al.			12/07/2001
	AE1	6,743,625	06/01/2004	Ni et al.			06/06/2001
	AF1	6,461,823	10/08/2002	Ni et al.			11/24/1999
	AG1	6,342,363	01/29/2002	Ni et al.			01/27/1998
Chu	AH1	6,433,147	08/13/2002	Ni et al.			05/05/2000
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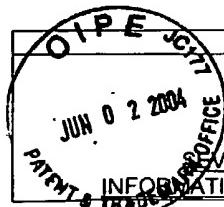
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	AL						Yes No
	AM						Yes No
Chu	AN2	WO 98/41629 A2 & A3	09/24/1998	WIPO			Yes No
Chu	AO2	EP 0 870 827 A2 & A3	10/14/1998	Europe			Yes No
Chu	AP2	EP 1 181 319 A0	12/07/2000	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Chu	AR	9	Allison, J., et al., "Transgenic expression of CD95 ligand on islet β cells induces a granulocytic infiltration but does not confer immune privilege upon islet allografts," <i>Proc. Natl. Acad. Sci. USA</i> 94:3943-3947, National Academy Press (April 1997)
	AS	9	Allison, J., and Strasser, A., "Mechanisms of β cell death in diabetes: A minor role for CD95," <i>Proc. Natl. Acad. Sci. USA</i> 95:13818-13822, National Academy Press (November 1998)
Chu	AT	9	Bodmer, J.-L., et al., "TRAMP, a Novel Apoptosis-Mediating Receptor with Sequence Homology to Tumor Necrosis Factor Receptor 1 and Fas(Apo-1/CD95)," <i>Immunity</i> 6:79-88, Cell Press (January 1997)

EXAMINER *Chen M. Pak* DATE CONSIDERED *8/2/04*

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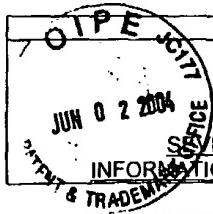
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Clu	AL3	EP 1 192 185 A0	12/14/2000	Europe			Yes No
Un	AM3	EP 1 287 035 A1	03/05/2003	Europe			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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Clu	AR	10	Boldin, M.P., et al., "A Novel Protein That Interacts with the Death Domain of Fas/APO1 Contains a Sequence Motif Related to the Death Domain," <i>J. Biol. Chem.</i> 270:7795-7798, American Society for Biochemistry and Molecular Biology, Inc. (1995)
	AS	10	Chicheportiche, Y., et al., "TWEAK, a New Secreted Ligand in the Tumor Necrosis Factor Family That Weakly Induces Apoptosis," <i>J. Biol. Chem.</i> 272:32401-32410, American Society for Biochemistry and Molecular Biology, Inc. (December 1997)
Clu	AT	10	Chinnaiyan, A.M., et al., "FADD, a Novel Death Domain-Containing Protein, Interacts with the Death Domain of Fas and Initiates Apoptosis," <i>Cell</i> 81:505-512, Cell Press (1995)

EXAMINER *Clu M. Ies* DATE CONSIDERED *8/2/04*

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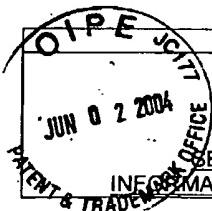
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<i>Av</i>	AR	11	Clerici, M., et al., "Type 1 and Type 2 Cytokines in HIV Infection - A Possible Role in Apoptosis and Disease Progression," <i>Ann. Med.</i> 29:185-188, Finnish Medical Society DUODECIM (June 1997)
	AS	11	Degli-Esposti, M.A., et al., "Cloning and Characterization of TRAIL-R3, a Novel Member of the Emerging TRAIL Receptor Family," <i>J. Exp. Med.</i> 186:1165-1170, Rockefeller University Press (October 1997)
	AT	11	Degli-Esposti, M.A., et al., "The Novel Receptor TRAIL-R4 Induces NF- κ B and Protects against TRAIL-Mediated Apoptosis, yet Retains an Incomplete Death Domain," <i>Immunity</i> 7:813-820, Cell Press (December 1997)

EXAMINER *Chin M. Lee* DATE CONSIDERED *8/2/04*

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<i>cur</i>	AR	<u>12</u>	Duan, H. and Dixit, V.M., "RAIDD is a new 'death' adaptor molecule," <i>Nature</i> 385:86-89, Macmillan Publishers, Ltd. (January 1997)
<i>cur</i>	AS	<u>12</u>	Frankfurt, O.S., et al., "Protection from Apoptotic Cell Death by Interleukin-4 is Increased in Previously Treated Chronic Lymphocytic Leukemia Patients," <i>Leuk. Res.</i> 21:9-16, Elsevier Science, Ltd (January 1997)
<i>cur</i>	AT	<u>12</u>	Gooch, J.L., et al., "Interleukin 4 Inhibits Growth and Induces Apoptosis in Human Breast Cancer Cells," <i>Cancer Res.</i> 58:4199-4205, American Association for Cancer Research (September 1998)
EXAMINER	<i>John M. Kip</i>		DATE CONSIDERED <u>8/2/04</u>
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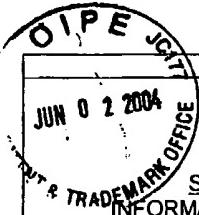
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<i>cur</i>	AR	<u>13</u>	Grell, M., et al., "Induction of cell death by tumour necrosis factor (TNF) receptor 2, CD40 and CD30: a role for TNF-R1 activation by endogenous membrane-anchored TNF," <i>EMBO J.</i> 18:3034-3043, Oxford University Press (June 1999)
	AS	<u>13</u>	Hardiman, G., et al., "Genetic Structure and Chromosomal Mapping of MyD88," <i>Genomics</i> 45:332-339, Academic Press (October 1997)
<i>cur</i>	AT	<u>13</u>	Hildeman, D.A., et al., "Activated T Cell Death In Vivo Mediated by Proapoptotic Bcl-2 Family Member Bim," <i>Immunity</i> 16:759-767, Cell Press (June 2002)

EXAMINER <i>Clair M. Kot</i>	DATE CONSIDERED <i>8/2/04</i>
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<i>ccm</i>	AR	14	Hill, M.E., et al., "Prognostic Significance of BCL-2 Expression and bcl-2 Major Breakpoint Region Rearrangement in Diffuse Large Cell Non-Hodgkin's Lymphoma: A British National Lymphoma Investigation Study," <i>Blood</i> 88:1046-105, American Society of Hematology (August 1996)
<i>ccm</i>	AS	14	Hofmann, K. and Bucher, P., "The CARD domain: a new apoptotic signalling motif," <i>Trends Biochem. Sci.</i> 22:155-156, Elsevier Science, Ltd. (May 1997)
<i>ccm</i>	AT	14	Horigome, A., et al., "Tacrolimus-induced apoptosis and its prevention by interleukins in mitogen-activated human peripheral-blood mononuclear cells," <i>Immunopharmacology</i> 39:21-30, Elsevier Science B.V. (March 1998)

EXAMINER <i>John M. Key</i>	DATE CONSIDERED <i>8/29/04</i>
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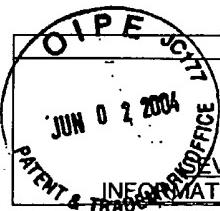
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<i>Chu</i>	AR	15	Hsu, H., et al., "TRADD-TRAF2 and TRADD-FADD Interactions Define Two Distinct TNF Receptor 1 Signal Transduction Pathways," <i>Cell</i> 84:299-308, Cell Press (January 1996)
	AS	15	Huang, D.C.S., et al., "Activation of Fas by FasL induces apoptosis by a mechanism that cannot be blocked by Bcl-2 or Bcl-x _L ," <i>Proc. Natl. Acad. Sci. USA</i> 96:14871-14876, National Academy Press (December 1999)
<i>Chu</i>	AT	15	Huang, D.C.S., et al., "Bcl-2, Bcl-x _L and adenovirus protein E1B19kD are functionally equivalent in their ability to inhibit cell death," <i>Oncogene</i> 14:405-414, Stockton Press (January 1997)

EXAMINER	<i>Chu M. B.</i>	DATE CONSIDERED <i>8/2/84</i>
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	AP						Yes No

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<i>Clue</i>	AR	<u>16</u>	Irmier, M., et al., "Direct physical interaction between the <i>Caenorhabditis elegans</i> 'death proteins' CED-3 and CED-4," <i>FEBS Lett.</i> 406:189-190, Elsevier Science B.V. (April 1997)
<i>↓</i>	AS	<u>16</u>	Irmier, M., et al., "Inhibition of death receptor signals by cellular FLIP," <i>Nature</i> 388:190-195, Macmillan Publishers, Ltd. (July 1997)
<i>↓ An</i>	AT	<u>16</u>	Karin, M., and Lin, A., "NF- κ B at the crossroads of life and death," <i>Nat. Immunol.</i> 3:221-227, Nature Publishing Group (March 2002)

EXAMINER <i>Dawn M. Kaj</i>	DATE CONSIDERED <i>8/2/04</i>
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O P E R A T I O N S C E N T E R JUN 02 2004 PATENT & TRADEMARK INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 1488.1310002/EKS/EJH	APPLICATION NO. 09/042,583
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<i>Car</i>	AR	17	Kelliher, M.A., et al., "The Death Domain Kinase RIP Mediates the TNF-Induced NF-κB Signal," <i>Immunity</i> 8:297-303, Cell Press (March 1998)
<i>Car</i>	AS	17	Lindner, H., et al., "Peripheral Blood Mononuclear Cells Induce Programmed Cell Death in Human Endothelial Cells and May Prevent Repair: Role of Cytokines," <i>Blood</i> 89:1931-1938, American Society of Hematology (March 1997)
<i>Car</i>	AT	17	Lotem, J., and Sachs, L., "Hematopoietic Cytokines Inhibit Apoptosis Induced by Transforming Growth Factor β1 and Cancer Chemotherapy Compounds in Myeloid Leukemic Cells," <i>Blood</i> 80:1750-1757, American Society of Hematology (1992)

EXAMINER <i>Carrie M. Kell</i>	DATE CONSIDERED <i>8/2/04</i>
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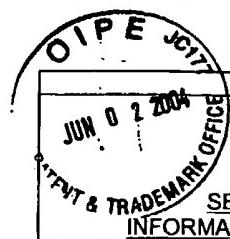
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<i>Ces</i>	AR	<u>18</u>	Lotem, J., and Sachs, L., "Interferon-γ inhibits apoptosis induced by wild-type p53, cytotoxic anti-cancer agents and viability factor deprivation in myeloid cells," <i>Leukemia</i> 9:685-692, Stockton Press (1995)
	AS	<u>18</u>	MacFarlane, M., et al., "Identification and Molecular Cloning of Two Novel Receptors for the Cytotoxic Ligand TRAIL," <i>J. Biol. Chem.</i> 272:25417-25420, American Society for Biochemistry and Molecular Biology, Inc. (October 1997)
<i>An</i>	AT	<u>18</u>	Muzio, M., et al., "FLICE, a Novel FADD-Homologous ICE/CED-3-like Protease, Is Recruited to the CD95 (Fas/APO-1) Death-Inducing Signaling Complex," <i>Cell</i> 85:817-827, Cell Press (June 1996)

EXAMINER	<i>Clayton</i>	DATE CONSIDERED <i>8/2/01</i>
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<i>CR</i>	AR	19	Muzio, M., et al., "IRAK (Pelle) Family Member IRAK-2 and MyD88 as Proximal Mediators of IL-1 Signaling," <i>Science</i> 278:1612-1615, American Association for the Advancement of Science (November 1997)
<i>CR</i>	AS	19	Newton, K., et al., "A dominant interfering mutant of FADD/MORT1 enhances deletion of autoreactive thymocytes and inhibits proliferation of mature T lymphocytes," <i>EMBO J.</i> 17:706-718, Oxford University Press (February 1998)
<i>CR</i>	AT	19	Newton, K., et al., "FADD/MORT1 regulates the pre-TCR checkpoint and can function as a tumour suppressor," <i>EMBO J.</i> 19:931-941, Oxford University Press (March 2000)
EXAMINER <i>John M. By</i>			DATE CONSIDERED <i>8/2/04</i>
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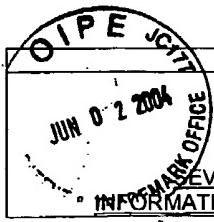
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<i>An</i>	AR	<u>20</u>	Newton, K., et al., "Effects of a dominant interfering mutant of FADD on signal transduction in activated T cells," <i>Curr. Biol.</i> 11:273-276, Elsevier Science, Ltd. (February 2001)
	AS	<u>20</u>	Newton, K., and Strasser, A., "Ionizing Radiation and Chemotherapeutic Drugs Induce Apoptosis in Lymphocytes in the Absence of Fas or FACC/MORT1 Signaling: Implications for Cancer Therapy," <i>J. Exp. Med.</i> 191:195-200, Rockefeller University Press (January 2000)
<i>An</i>	AT	<u>20</u>	O'Conner, L., and Strasser, A., "Fas, p53, and Apoptosis," <i>Science</i> 284:1431b, American Association for the Advancement of Science (May 1999)

EXAMINER	<i>Clair M. Ko</i>	DATE CONSIDERED <i>8/2/04</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>An</i>	AR	<u>21</u>	O'Conner, L., et al., "CD95 (Fas/APO-1) and p53 Signal Apoptosis Independently in Diverse Cell Types," <i>Cancer Res.</i> 60:1217-1220, American Association for Cancer Research (March 2000)
	AS	<u>21</u>	Odaka, C., et al., "Immunosuppressant deoxyspergualin induces apoptotic cell death in dividing cells," <i>Immunol.</i> 95:370-376, Blackwell Science, Ltd. (November 1998)
<i>An</i>	AT	<u>21</u>	Pan, G., et al., "TRUNDD, a new member of the TRAIL receptor family that antagonizes TRAIL signalling," <i>FEBS Lett.</i> 424:41-45, Elsevier Science B.V. (March 1998)

EXAMINER	<i>Clara M. Oy</i>	DATE CONSIDERED
		<i>6/20/04</i>

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FORM PTO-1449

SEVENTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1488.1310002/EKS/EJH	APPLICATION NO. 09/042,583
FIRST NAMED INVENTOR Ni et al.	
FILING DATE March 17, 1998	ART UNIT 1646

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<i>Ar</i>	AR	<u>22</u>	Screaton, G.R., et al., "LARD: A new lymphoid-specific death domain containing receptor regulated by alternative pre-mRNA splicing," <i>Proc. Natl. Acad. Sci. USA</i> 94:4615-4619, National Academy Press (April 1997)
	AS	<u>22</u>	Simonitsch, I., and Krupitza, G., "Autocrine self-elimination of cultured ovarian cancer cells by tumour necrosis factor α (TNF- α)," <i>Br. J. Cancer</i> 78:862-870, Nature Publishing Group on behalf of Cancer Research, UK (October 1998)
<i>Ar</i>	AT	<u>22</u>	Smith, K.G.C., et al., "CrmA expression in T lymphocytes of transgenic mice inhibits CD95 (Fas/APO-1)-transduced apoptosis, but does not cause lymphadenopathy or autoimmune disease," <i>EMBO J.</i> 15:5167-5176, Oxford University Press (October 1996)
EXAMINER	<i>John M. Kip</i>		DATE CONSIDERED <i>8/2/04</i>

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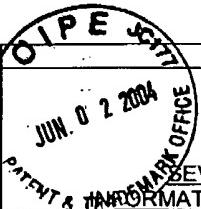
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<i>Ar</i>	AR	<u>23</u>	Strasser, A., et al., "Bcl-2 and Fas/APO-1 regulate distinct pathways to lymphocyte apoptosis," <i>EMBO J.</i> 14:6136-1647, Oxford University Press (1995)
<i>AS</i>	AS	<u>23</u>	Thome, M., et al., "Viral FLICE-inhibitory proteins (FLIPs) prevent apoptosis induced by death receptors," <i>Nature</i> 386:517-521, Macmillan Publishers, Ltd. (April 1997)
<i>AT</i>	AT	<u>23</u>	Villunger, A., et al., "Fas Ligand, Bcl-2, Granulocyte Colony-Stimulating Factor, and p38 Mitogen-activated Protein Kinase: Regulators of Distinct Cell Death and Survival Pathways in Granulocytes," <i>J. Exp. Med.</i> 192:647-657, Rockefeller University Press (September 2000)

EXAMINER <i>Chen M. Liu</i>	DATE CONSIDERED <i>8/2/04</i>
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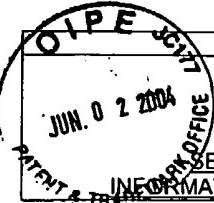
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<i>An</i>	AR	<u>24</u>	Villunger, A., et al., "Fas Ligand-Induced c-Jun Kinase Activation in Lymphoid Cells Requires Extensive Receptor Aggregation But Is Independent of DAXX, and Fas-Mediated Cell Death Does Not Involve DAXX, RIP, or RAIDD," <i>J. Immunol.</i> 165:1337-1343, American Association of Immunologists (August 2000)
<i>An</i>	AS	<u>24</u>	Walczak, H., et al., "TRAIL-R2: a novel apoptosis-mediating receptor for TRAIL," <i>EMBO J.</i> 16:5386-5397, Oxford University Press (September 1997).
<i>An</i>	AT	<u>24</u>	Watanabe-Fukunaga, R., et al., "Lymphoproliferation disorder in mice explained by defects in Fas antigen that mediates apoptosis," <i>Nature</i> 356:314-317, Macmillan Publishers, Ltd. (1992)

EXAMINER <i>Chris M. Key</i>	DATE CONSIDERED <i>8/2/04</i>
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<i>Clay</i>	AR	25	Wong, B.B., et al., "TRANCE Is a Novel Ligand of the Tumor Necrosis Factor Receptor Family That Activates c-Jun N-terminal Kinase in T Cells," <i>J. Biol. Chem.</i> 272:25190-25194, American Society for Biochemistry and Molecular Biology, Inc. (October 1997)
	AS	25	Yoshida, T., et al., "Rapid B cell apoptosis induced by antigen receptor ligation does not require Fas (CD95/APO-1), the adaptor protein FADD/MORT1 or CrmA-sensitive caspases but is defective in both MRL-+/+ and MRL-lpr/lpr mice," <i>Int. Immunol.</i> 12:517-526, Japanese Society for Immunology (April 2000)
<i>Clay</i>	AT	25	Zou, W., et al., "Administration of Interleukin 13 to Simian Immunodeficiency Virus-Infected Macaques: Induction of Intestinal Epithelial Atrophy," <i>AIDS Res Hum Retroviruses</i> 14:775-793, Mary Ann Liebert, Inc. (June 1998)

EXAMINER <i>Clay M. Ray</i>	DATE CONSIDERED <i>8/2/04</i>
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<i>CR</i>	AR	<u>26</u>	European Search Report for European Application No. EP 00 93 0329 mailed on February 6, 2004, Munich, Germany
<i>CR</i>	AS	<u>26</u>	Co-Pending U.S. Patent Application No. 09/565,009, Ni et al., filed May 4, 2000 (NOT PUBLISHED)
<i>CR</i>	AT	<u>26</u>	Co-Pending U.S. Patent Application No. 10/005,842, Ni et al., filed December 7, 2001, now U.S. Published Patent Application No. 2002/0098550 (Document AD1)

EXAMINER	<i>Chen M. Ies</i>	DATE CONSIDERED
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	27	Co-Pending U.S. Patent Application No. 10/648,825, Ni et al., filed August 27, 2003, now (NOT PUBLISHED) US Published Patent Application No. 2004/0136951.
AS	27	Co-Pending U.S. Patent Application No. 10/774,622, Ni et al., filed February 10, 2004, now (NOT PUBLISHED) US Published Patent Application No. 2004/0141952.
AT		

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